

## EAST Search History

| Ref # | Hits | Search Query                | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------------------|---|------------------|---------|------------------|
| L1    | 60   | "5046118"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 13:32 |
| L2    | 2    | "5046118".pn.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 13:32 |
| L3    | 2    | "6215900".pn.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 13:34 |
| L4    | 2    | "6370265".pn.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 13:35 |
| L5    | 2    | "5150421".pn.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 13:35 |
| S1    | 1    | 10/673292.app.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 07:55 |
| S2    | 767  | (image adj enhancement).ti. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 07:55 |
| S3    | 0    | S2 and (cannon).as.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/18 07:55 |

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|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S4  | 11 | S2 and (canon).as.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 08:58 |
| S5  | 5  | (X adj ray) and (gradation with conversion) and (histogram with flat\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 11:36 |
| S6  | 1  | (X adj ray) and (s adj shaped adj curve) and (histogram with flat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:02 |
| S7  | 0  | (X adj ray) and (s adj curve) and (histogram with flat\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:02 |
| S8  | 1  | (X adj ray) and (s adj curve) and (histogram with equaliz\$6)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:03 |
| S9  | 13 | (X adj ray) and (s adj2 (function curve)) and (histogram with equaliz\$6)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:04 |
| S10 | 13 | (X adj ray) and (s adj2 (function curve)) and (histogram with (flat\$5 equaliz\$6))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:04 |
| S11 | 25 | (X adj ray) and ((gradation adj conversion) (s adj2 (function curve))) and (histogram with (flat\$5 equaliz\$6)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:44 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S12 | 44  | (X adj ray) and (sigmoid (gradation adj conversion) (s adj2 (function curve))) and (histogram with (flat\$5 equaliz\$6))                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:54 |
| S13 | 44  | (X adj ray) and (sigmoid (gradation adj (correction conversion)) (s adj2 (function curve))) and (histogram with (flat\$5 equaliz\$6))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:55 |
| S14 | 44  | (X adj ray) and (sigmoid ((contrast gradation) adj (correction conversion)) (s adj2 (function curve))) and (histogram with (flat\$5 equaliz\$6))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:56 |
| S15 | 44  | (X adj ray) and (sigmoid ((contrast gradation) near (correction conversion)) (s adj2 (function curve))) and (histogram with (flat\$5 equaliz\$6)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:56 |
| S16 | 115 | (X adj ray) and ((contrast gradation) near (correction conversion)) and (histogram)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:58 |
| S17 | 2   | (X adj ray) and ((contrast gradation) near (correction conversion)) and (histogram) and (s adj2 (curve function))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 09:59 |
| S18 | 8   | (X adj ray) and ((contrast gradation) near (adjust\$4 correct\$3 conversion)) and (histogram) and (s adj2 (curve function))                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 10:00 |
| S19 | 10  | (X adj ray) and ((contrast gradation) near (adjust\$4 correct\$3 conversion)) and (histogram) and (s adj shaped)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 10:00 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S20 | 55  | ("4302672"   "4403337"  <br>"4597094"   "4641267"   "4819258"<br>  "4868651"   "4887305"  <br>"4907156"   "4937682"   "5003979"<br>  "5042077"   "5046118"  <br>"5048110"   "5072384"   "5079698"<br>  "5133020"   "5134668"  <br>"5150421"   "5164993"   "5212637"<br>  "5224036"   "5224177"  <br>"5231580"   "5270530"   "5289374"<br>  "5289520"   "5297036"  <br>"5305365"   "5319549").PN. OR<br>("5854851").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/01/18 10:09 |
| S21 | 35  | S20 and (x adj ray)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/01/18 10:09 |
| S22 | 27  | histogram with (mean adj square<br>adj error)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 11:05 |
| S23 | 954 | (inoue with hitoshi).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 11:36 |
| S24 | 178 | S23 and canon.as.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/18 11:37 |